Konica Minolta Printing Solutions Europe B.V.
Support Department
Website: www.konicaminolta.net/printer/

Setup a Crown printer using DHCP

Information Level: **4**
(2 = Semi-confidentional, Minolta-QMS, internal use only, 3 = Service Partners/Distributors/First Line usage only. 4 = General Information, may be send to end-users.)

Printer involved: All Crown printers supporting DHCP
Operating system: All Windows OS's.
Application:
Driver version:

Problem Description:

How to setup the printer and port for using DHCP?

Solution / Work-around / Answer:

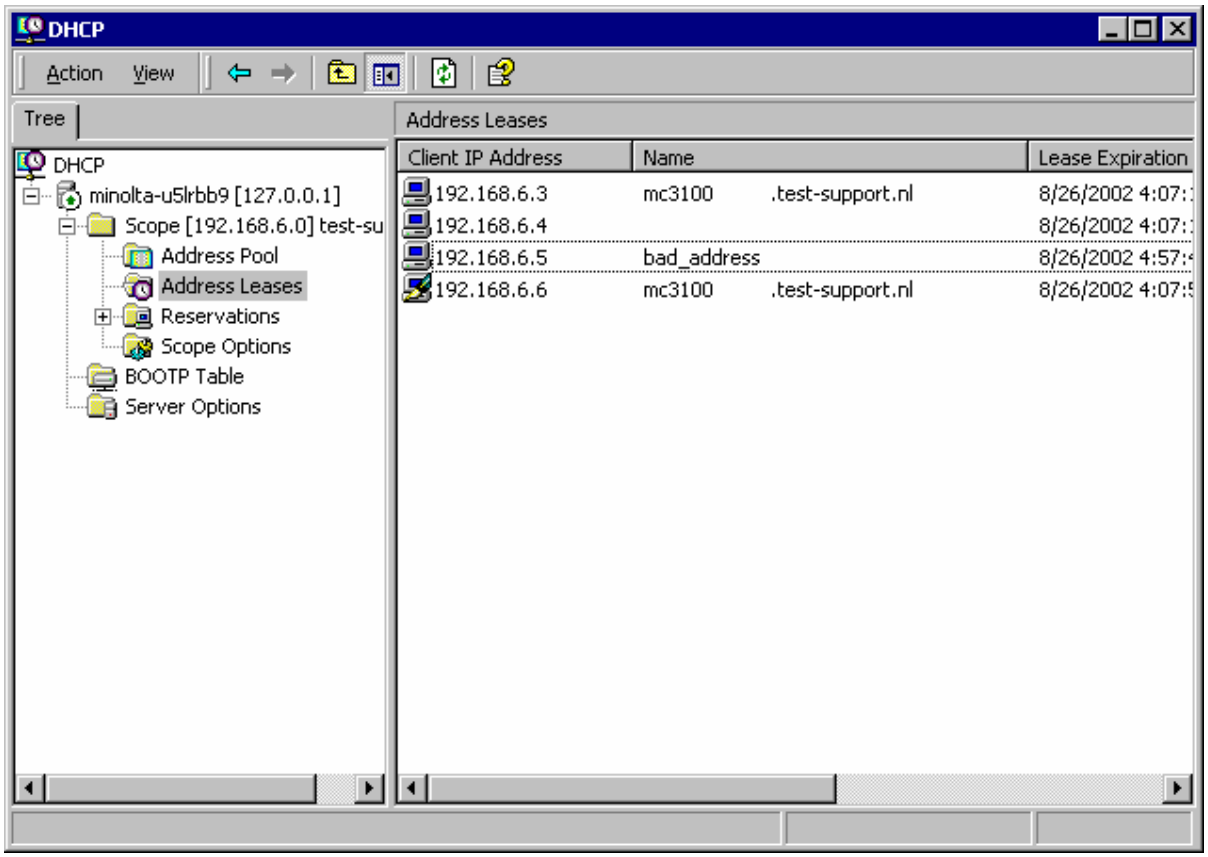
This example is made with the Magicolor 3100 printer.

If a DHCP server is running on customer site and DHCP is enabled by default, the printer will get an IP Address assigned by the DHCP server.

The Magicolor 3100 printer has a logical name and this logical name can be used for:
- Name in port monitor or standard TCP/IP port instead of the IP Address.
- Telnet
- Ping
- Etc.

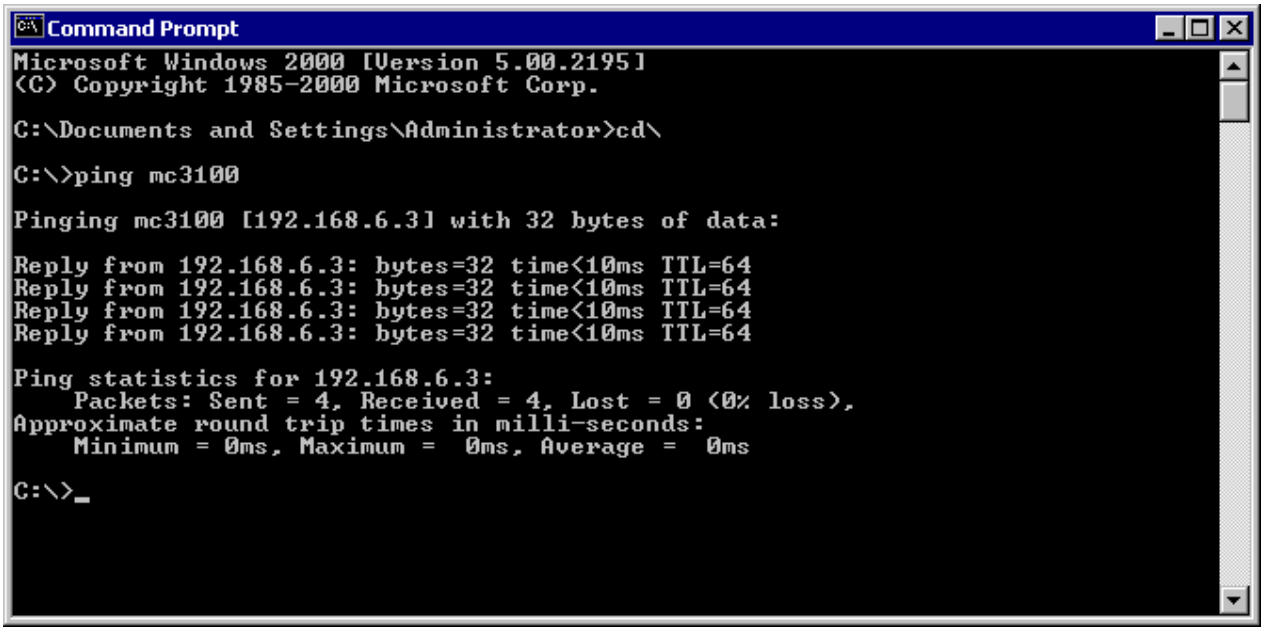
If the name in the DHCP server is correct, this name will also be ported to WinS. WinS is responsible for the usage of logical names for printing, telnet, ping usage.

DHCP will release the leases every x days (this can be setup by the administrator). If the printer gets a new IP Address, for whatever reason, you have to change your whole port setup on the work stations because the port monitor or standard TCP/IP port can not be routed to a WinS name.
If the printer could route to a WinS name, it does not matter which IP Address the printer will get because WinS will arrange the naming – IP Address convention.



The magicolor 3100 (Crown Printers) shows correctly in the DHCP server. The printer IP address is displayed and the printer has a correct printer name (mc3100). This printer name can be used for pinging, telnet and referring to a queue in the Standard TCP/IP port setup or Crown Port Monitor.

Sample PING:



How to change the name that appears on the WINS server?

In the printer menu select:
- Administration
- Communication
- Resident NIC
- CrownNet
- LAN Manager
- Printer Name

Change the Printer Name.

The printer uses the LAN Manager name on the WinS server.
By default the LAN Manager name = min_<hardware address>.

WINS must be enabled in the TCP/IP menu.